

AMENDMENTS TO THE CLAIMS

Claims 1-21 (Canceled)

22. (Original) A signal processing method in which a primary signal is modified by, at least, first and second auxiliary signals in order to investigate the primary signal, each auxiliary signal comprising successive finite-duration shaped portions having relatively low-amplitude leading and trailing parts, the portions being interleaved with, and overlapping, signal portions of the other auxiliary signal.

23. (Original) A method as claimed in claim 22, wherein each shaped portion has a shape substantially similar to that of a squared cosine.

24. (Original) A method as claimed in claim 23, wherein each shaped portion is produced using a modified Kaiser window function.